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### Before the FEDERAL COMMUNICATIONS COMMISSION Washington, D.C. 20554

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CC Docket No. 93-129

800 Data Base Access Tariffs and the 800 Service Management System Tariff

### SUPPLEMENT TO GTE'S DIRECT CASE

GTE Service Corporation, on behalf of the GTE Telephone Operating Companies ("GTOCs") and GTE System Telephone Companies ("GSTCs"), collectively referred to as "GTE." hereby submits the accompanying "Public" version of its cost study as a Supplement to GTE's Direct Case, in the abovecaptioned tariff investigation in accordance with the Order Designating Issues For Investigation (the "Designation Order"), DA 93-930 (released July 19, 1993) and Order, DA 94-150 (released February 14, 1994) (the "February 14 Order"). A description of GTE's cost development process was provided in the Direct Case as well as in the original tariff filing establishing 800 Data Base services.

The Designation Order required Local Exchange Carriers ("LECs") that use computer models to derive rates for 800 Data Base services to disclose those models on the public record or provide other justification for their rates. On September 20, 1994, GTE filed a Petition for Waiver of the requirements of the cost model filing requirements with the Commission. GTE argued that it is subject to strict nondisclosure agreements and other protective measures with respect to several of its costing models and should not be required by the Commission to submit such proprietary information. In an Order, DA 94-99 (released January 31, 1994), the Common Carrier Bureau rejected GTE's waiver

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petition; however, it indicated that it would entertain revised waiver requests to release cost model information to interested parties under protective agreement. GTE filed an additional Petition for Waiver on March 10, 1994, requesting permission to disclose cost model information only to those parties executing protective agreements.

Pursuant to the February 14 Order, GTE must make available its cost model data for 800 Data Base services to interested parties by March 15, 1994. The cost study data will be made available at GTE's Washington DC offices to those parties signing a protective agreement not to disclose such information to other parties or to use such information for purposes of than for analyzing GTE's proposed 800 Data Base cost development methodology and rate calculations.

Accordingly, GTE submits the "Public" version of the cost model methodology and relevant information. Separately, GTE is requesting that the "Confidential" version of the study not be released or placed on the public record.

Respectfully submitted,

GTE Service Corporation and its affiliated domestic telephone operating companies

Richard McKenna HQE03J36 GTE Service Corporation P.O. Box 152092 Irving TX 75015-2092 (214)\_718-6362

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(202) 463-5214

March 15, 1994

Their Attorneys

### **Certificate of Service**

I, Ann D. Berkowitz, hereby certify that copies of the foregoing "Supplement to GTE's Direct Case" have been mailed by first class United States mail, postage prepaid, on the 15th day of March, 1994 to all parties of record.

Ann D. Berkowitz

Basic and Premium 800 Data Base Query Cost Study Methodology

# GTE TELEPHONE OPERATIONS Basic and Premium 800 Data Base Query **Table of Contents**

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# Basic and Premium 800 Data Base Query Assumptions and Definitions

#### ASSUMPTIONS:

- The SCPs were sized under the assumption that 26% of the 600 Data Base queries were the vertical services type and 72% were
  the basic type.
- It was assumed in the study that the only cost differences between the basic and vertical services query were the memory sizing and query processing time at the SCP.
- Estimates of the cost difference between a basic and vertical services quary were made by comparing the relative memory and processing costs of SCPs configured for 100% basic transactions and 100% vertical services transactions, respectively.
- 4. The costing methodology used by GTE was not an engineering process cost model (CCSCIS, SCIS), whereby busy hour demand is translated into equipment pieces, which are then costed from a discounted piece parts vendor price list. GTE used actual involced cost for equipment that was in place at the time of the study, and prospective vendor cost estimates for equipment that was not in place at the time of the study.
- GTE used a multi-year approach in cost estimation because costs incurred by the Company to support this service spread over more than a single year.
- 6. SSP RTU Fees included in the study are exclusively for the provision of Database 800 services. SSP RTU Fees for LIDS are incurred at other central office locations, and have been excluded from the Data Base 800 cost analysis.
- Call setup, query origination, and CLASS call and feature setup forecasts were transformed into message signaling units
  (MSUs -see definition below), which served as a common denominator. This allowed for the allocation of costs based upon relative
  MSU forecast.
- 8. The unit costs calculated reflected the division of total provisioning costs by total query volume. Interstate traffic was estimated to represent 66.75% of the total volume of quaries, with the remaining 33.25% for intrastate queries. The costs were allocated on this same basis, 66.75% / 33.25%, which yields the same costs per query on an interstate and intrastate basis.
- 9. The discount rate used for present value calculations was the authorized overall rate of return of 11.25%.

### DEFINITIONS:

- 1. Message Signaling Unit (MSU): A generic unit of transaction processing in the SS7 protocol. Each MSU is made up of actets (8 bits) of customer and routing information. Different types of transactions require different numbers (and actet composition) of MSUs. Each exchange trunk setup requires the SS7 system to generate 6 MSUs; each data base transaction generates 2 MSUs; each CLASS call generates 6 trunk setup MSUs plus from several to many individual feature MSUs. In this study, a statistical evenage of 15 MSUs per CLASS call was used.
- 2. SMS: Service Management System
- 3. SEAS: Signaling Engineering and Administration System
- 4. SSP: Service Switching Point
- 5. STP: Signal Transfer Point
- 6. SCP: Service Control Point
- 7. QRS: Query Response Service
- 8. CLASS: Custom Calling Local Area Signaling Service
- 9. ABS: Alternatively Billad Service (GTE Internal validation)
- 10. LIDB: Line Information Data Base
- 11. RTU: Right to Use (Fee)

Basic and Premium 800 Data Base Query Calculation of Query Forecast Quantities

	Discourt Rate:						
2		4000		400.4			T0744
4	EORECASTED Message Signaling Linits (MS(Js):	1992	1903	1004	1996	1996	TOTAL
5	Control of the contro						
6	InterLATA MTS Call Selup	*	*	×		*	*
7	Introl.ATA MTS, Local Call Setup	i	ī	į	Ī	i	i
8	ABS Detatore Query			1			Ì
9 10	CRS Detabase Query	1	İ	i			į
11	LIDS Detabase Quary CLASS Cell Satur/Features		Ļ			i.	<u> </u>
12	OB800 Database Quary	<b>7</b>	1,713,607,200	4.336.662.000	4.835.932.000	% 5.347,610,000	16,235,831,200
13	Total Undincounted MSUs	2,092,544,107	13,936,398,000	28,973,186,318	74.169.262.179	94.214.768.227	213,406,178,831
14	Present Value by Year-All MSUs	1,980,936,523	11,280,314,001	21.042.444.960	48.432.968.756	55,286,473,102	210, 100, 110,001
15	Total Present Value-All MSUs	137,903,139,362	.,,,,,	,,_, -,-,	·-, ·, ·, ·	35.255(*15.152	
16							
17	Selected Quantities for DB800 Allocations:						
18 19	Total Undiscounted SCP (LIBD & DB800) MSUs	4 844 780 459	4 770 400 500	0.440.070.500	0.005 445 400	2 500 455 000	
20	Present Value by Year-SCP (LICH & DB800) MSUs	1,844,7 <b>69,658</b> 1,668,219,917	3,779,499,532 3,397,362,950	6,446,078,592 5,798,025,701	6,965,145,432 6,278,782,411	7,536,355,330 6,774,251,982	
21	Total Present Value-SCP (LIBD & DB800) MSUs	23,904,582,961	3,397,302,930	3,780,023,701	0,210,702,411	0,714,231,802	
22	- Table 1 ( Care of Ca	25,307,502,001					
23							
24		₩	*	*	*	*	
25		l l	×	*	*	*	
26 27	· ·	*					
28							
29	Total Undiscounted DB800 MSUs	0	1,713,607,200	4,338,682,000	4,635,932,000	5,347,610,000	16,235,831,200
30	Present Value by Year-DB000 MSUs	ŏ	1,640,321,079	3,899,938,876	4,346,906,160	4,806,840,449	
31	Total Present Value-D8800 MSUs	14,594,005,573	4,000,000	.,,	1,2 10,000,100	.,,	
32							
33	Total Present Value-D8800 MSU Composition:						
34 35	Vertical Service DB800 MSUs	28.00%	4,066,321,560.45				
36	8asic D8800 MSUs	72.00%	10,507,684,012.58				11,689,798,464.00
37	Alleganders of ARMA PROPER	•			4 . 44 44 4 .		T 0 4 4 000 000 00
36	Number of MSUs per DB800 query	2			input to Workshi	et #10, Column C 🔔	<u> 5,844,899,232.00</u>
30	Total Present Value-Vertical Service DB600 Queries	1	2.043.160.760.22	input to Worksheet #8.	Column D		
40	Total Present Value- Basic DB800 Cusries		5,253,842,008,28	input to Viorksheet #8.			
41				MPE TO THE MAINTENANCE OF	, 00.2.1.		
42	3.1.6° A1 A0						
43	Relative Usage Allocation Factors for DB800:						
44 45	DATIO 4 PORMS MINE (CORD AMAL)						
46	RATIO 1 DB800 MSUs / SCP MSUs	61.0511%					
47	RATIO 2 DB000 MSUs/TOTAL MSUs	10.5826%					
•••		10.004076					

Besic and Premium 800 Date Bess Query Calculation of STP Investment and Expenses

I P Equipment		-	1992	1993	1994	1995	1996	TOTAL
STP	CAPITALIZED HARDWARE;	CA	\$9,134,100	\$7,967,293	\$415,800	\$0	\$0	\$17,517,103
		HI	\$1,800,000	\$4,700,000	\$0	\$0	\$0	\$6,500,000
		WA	\$4,264,900	\$879,360	\$207,900	\$268,380	\$378,000	\$5,668,130
		FL.	\$5,529,300	\$3,150,000	\$0	\$0	\$0	\$8,679,300
		KY	\$3,382,200	\$0	\$1,528,559	\$56,250	\$675,000	\$5,642,009
		VA	10	\$0	\$0	90	\$166,750	\$166,750
		PA	\$0	\$2,578,295	\$0	\$0	\$513,527	\$3,091,732
		OH	\$0	\$0	\$0	\$3,266,333	\$1,404,250	\$4,614,563
		<b>IN</b>	\$3,509,250	\$500,000	\$0	\$4,625,976	\$1,027,055	\$9,642,281
		R.	\$3,509,250	\$600,000		\$2,535,940	\$2,200,406	\$8,964,500
		MO	\$0	\$0	\$0	\$0	\$3,000,000	\$3,000,000
		TX	\$4,254,100	\$0	\$0	\$0	\$3,450,000	\$7,704,100
		OR	\$0	\$0	\$3,206,333	\$562,500	\$787,500	\$4,558,333
Tatal	Undiscounted Dollars		\$35,372,700	\$19,974,758	\$5,360,592	\$11,257,379	\$13,745,487	\$85.710.916
Pres	ord Value of Dullars by Year		\$31,795,065.39	\$16,139,180.81	\$3,893,253.61	\$7,349,151.65	\$8,066,033.72	
Total	Present Value of Dollars		\$57,243,305.18					
		3.000						
Total	Present Value of Dollars to be	63.00%	\$42,363,282,26					
Rec	overed Through Usage Elements *			VERT/BASIC Allocation				
	Allocation to Dissol FRAFIC 23	10.5626%	\$4,483,219,02	26,00%	\$1,256,301,33	input to Worksheel #6.	Cotumn C, Line 3	
				72.00%	\$3,227,017,70	Input to Workshoot #8.	Coloren G. Line 3	
Total	Undiscounted Value of Dollars to be	63.00%						\$53,997,87
Rec	Overed Through Usage Elements *							·
	Allocation to D8880 (FRATIO 2)	10.5828%				input to Workshool #6,	Column A. Line 3	\$5,714,44
		10.002010						
STP	EXPENSED SOFTWARE / RTUFs:							
		CA	\$3,414,700	\$12,508,574	\$800,000	\$1,217,760	\$800,000	\$18,339,034
		HI	\$200,000	\$540,000	\$200,000	\$200,000	\$260,000	\$1,340,00
		WA	\$1,532,800	\$664,074	\$506,880	\$649,200	\$761,600	\$4,136,63
					,,			\$2,022,80
		FL	3618.000	\$404,800			2200L020	
		FL KY	\$618,000 \$783,300	\$604,800 \$200,000	\$290,000 \$493,483	\$200,000 \$210,000	\$200,000 \$329,600	
		KY	\$783,300	\$200,000	\$493,483	\$210,860	\$329,600	\$2,017,18
		KY VA	\$783,300 \$0	\$200,000 \$200,000	\$493,483 \$200,000	\$210,880 \$200,000	\$329,600 \$297,200	\$2,017,18 \$897,20
		KY VA PA	\$783,300 \$0 \$0	\$200,000 \$200,000 \$1,413,560	\$493,483 \$200,000 \$200,000	\$210,860 \$200,000 \$200,000	\$329,600 \$297,200 \$425,243	\$2,017,18 \$897,20 \$2,238,80
		KY VA PA OH	\$783,300 \$0 \$0 \$0	\$200,000 \$200,000 \$1,413,560 \$0	\$493,483 \$200,000 \$200,000 \$0	\$210,000 \$200,000 \$200,000 \$500,000	\$329,600 \$297,200 \$425,243 \$470,000	\$2,017,18: \$897,20: \$2,238,80: \$1,020,00
		KY VA PA OH IN	\$783,300 \$0 \$0 \$0 \$0 \$997,700	\$200,000 \$200,000 \$1,413,560 \$0 \$200,000	\$493,483 \$200,000 \$200,000 \$0 \$290,000	\$210,000 \$200,000 \$200,000 \$550,000 \$2,567,308	\$329,600 \$297,200 \$425,243 \$470,000 \$850,486	\$2,017,18 \$697,20 \$2,238,80 \$1,020,00 \$4,615,55
		KY VA PA OHI IN IL	\$783,300 \$0 \$0 \$0 \$997,700 \$997,700	\$200,000 \$200,000 \$1,413,560 \$0 \$200,000	\$493,483 \$200,000 \$200,000 \$0 \$290,000 \$0	\$210,000 \$200,000 \$200,000 \$500,000	\$329,600 \$297,200 \$425,243 \$470,000 \$850,486 \$1,226,106	\$2,017,18 \$697,20 \$2,238,80 \$1,020,00 \$4,615,55 \$3,814,19
		KY VA PA OH IN IL MO	\$783,300 \$0 \$0 \$0 \$997,700 \$987,700	\$200,000 \$200,000 \$1,413,560 \$0 \$200,000 \$0	\$483,483 \$200,000 \$200,000 \$0 \$200,000 \$0 \$0	\$210,860 \$200,000 \$200,000 \$500,000 \$2,567,366 \$1,560,367	\$329,600 \$297,200 \$425,243 \$470,000 \$650,486 \$1,228,105 \$500,000	\$2,017,18: \$697,20: \$2,238,80: \$1,020,00: \$4,615,55: \$3,814,19: \$500,00
		KY VA PA OH IN IL MO TX	\$783,300 \$0 \$0 \$0 \$997,700 \$997,700 \$0 \$841,400	\$200,000 \$209,000 \$1,413,560 \$0 \$200,000 \$0 \$0 \$200,000	\$493,483 \$200,000 \$200,000 \$0 \$290,000 \$0 \$0 \$200,000	\$210,860 \$200,000 \$200,000 \$500,000 \$2,567,386 \$1,560,387 \$0 \$200,000	\$329,600 \$297,200 \$425,243 \$470,000 \$850,486 \$1,228,106 \$500,000 \$788,400	\$2,017,18: \$897,20: \$2,238,80: \$1,020,00: \$4,615,55: \$3,814,19: \$500,00: \$2,227,80
Tabel	Marthamanda 4 Outara	KY VA PA OH IN IL MO	\$783,300 \$0 \$0 \$0 \$997,700 \$997,700 \$0 \$641,400	\$200,000 \$200,000 \$1,413,560 \$0 \$200,600 \$0 \$0 \$200,600	\$493,483 \$200,000 \$200,000 \$0 \$0 \$200,000 \$0 \$0 \$200,000 \$550,000	\$210,800 \$200,000 \$200,000 \$2567,306 \$1,500,367 \$0 \$200,000	\$329,600 \$297,200 \$425,243 \$470,000 \$650,486 \$1,226,106 \$500,000 \$786,400 \$351,200	\$2,017,18: \$097,20: \$2,238,80: \$1,020,00: \$4,615,55: \$3,814,19: \$500,00: \$2,227,80: \$1,209,20:
	Undiscounied Dollars	KY VA PA OH IN IL MO TX	\$783,300 \$0 \$0 \$0 \$997,700 \$997,700 \$0 \$841,400 \$0	\$200,000 \$200,000 \$1,413,560 \$0 \$200,000 \$0 \$200,000 \$0 \$16,749,008	\$493,483 \$200,000 \$200,000 \$200,000 \$0 \$200,000 \$200,000 \$550,000 \$3,352,363	\$210,880 \$200,000 \$200,000 \$500,000 \$2,567,386 \$1,580,387 \$0 \$200,000 \$308,000 \$6,893,693	\$329,600 \$297,200 \$425,243 \$470,000 \$650,486 \$1,226,106 \$500,000 \$786,400 \$351,200	\$2,017,18: \$097,20: \$2,238,80: \$1,020,00: \$4,615,55: \$3,814,19: \$500,00: \$2,227,80: \$1,209,20:
Proor	ent Value of Dotars by Year	KY VA PA OH IN IL MO TX	\$783,300 \$0 \$0 \$0 \$967,700 \$997,700 \$0 \$641,400 \$0 \$8,385,600 \$8,436,494,38	\$200,000 \$200,000 \$1,413,560 \$0 \$200,600 \$0 \$0 \$200,600	\$493,483 \$200,000 \$200,000 \$0 \$0 \$200,000 \$0 \$0 \$200,000 \$550,000	\$210,800 \$200,000 \$200,000 \$2567,306 \$1,500,367 \$0 \$200,000	\$329,600 \$297,200 \$425,243 \$470,000 \$650,486 \$1,226,106 \$500,000 \$786,400 \$351,200	\$2,017,18: \$897,20: \$2,238,80: \$1,020,00: \$4,615,55: \$3,814,19: \$500,00: \$2,227,80: \$1,209,20:
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Proce Total	ert Value of Dollars by Year Present Value of Dollars	KY VA PA OH IN IL MO TX OR	\$783,300 \$0 \$0 \$0 \$997,700 \$987,700 \$641,400 \$0 \$9,385,600 \$8,438,494,38 \$33,676,865,85	\$200,000 \$200,000 \$1,413,560 \$0 \$200,000 \$0 \$200,000 \$0 \$16,749,008	\$493,483 \$200,000 \$200,000 \$200,000 \$0 \$200,000 \$200,000 \$550,000 \$3,352,363	\$210,880 \$200,000 \$200,000 \$500,000 \$2,567,386 \$1,580,387 \$0 \$200,000 \$308,000 \$6,893,693	\$329,600 \$297,200 \$425,243 \$470,000 \$650,486 \$1,226,106 \$500,000 \$786,400 \$351,200	\$2,017,18: \$097,20: \$2,238,80: \$1,020,00: \$4,615,55: \$3,814,19: \$500,00: \$2,227,80: \$1,209,20:
Presi Total Total	ert Value of Dollars by Year Present Value of Dollars Present Value of Dollars to be	KY VA PA OH IN IL MO TX	\$783,300 \$0 \$0 \$0 \$967,700 \$997,700 \$0 \$641,400 \$0 \$8,385,600 \$8,436,494,38	\$200,000 \$200,000 \$1,413,560 \$0 \$200,000 \$0 \$200,000 \$0 \$16,749,008 \$13,532,843,23	\$493,483 \$200,000 \$200,000 \$200,000 \$0 \$200,000 \$200,000 \$550,000 \$3,352,363	\$210,880 \$200,000 \$200,000 \$500,000 \$2,567,386 \$1,580,387 \$0 \$200,000 \$308,000 \$6,893,693	\$329,600 \$297,200 \$425,243 \$470,000 \$650,486 \$1,226,106 \$500,000 \$786,400 \$351,200	\$2,017,18 \$897,20 \$2,238,80 \$1,020,00 \$4,615,55 \$3,814,19 \$500,00 \$2,227,80 \$1,209,20
Presi Total Total	nt Value of Dollars by Year Present Value of Dollars Present Value of Dollars to be overed Through Usage Elements "	KY VA PA OH IN IL MO TX OR	\$783,300 \$0 \$0 \$0 \$007,700 \$997,700 \$0 \$841,400 \$0 \$8,385,600 \$8,436,494,38 \$33,676,865,85	\$200,000 \$200,000 \$1,413,560 \$0 \$200,000 \$0 \$0 \$200,000 \$0 \$16,749,006 \$13,532,843,23	\$493,483 \$200,000 \$200,000 \$200,000 \$0 \$200,000 \$200,000 \$550,000 \$3,352,363	\$210,880 \$200,000 \$200,000 \$500,000 \$2,567,386 \$1,580,387 \$0 \$200,000 \$308,000 \$6,893,693	\$329,600 \$297,200 \$425,243 \$470,000 \$650,486 \$1,226,106 \$500,000 \$786,400 \$351,200	\$2,017,18 \$897,20 \$2,238,80 \$1,020,00 \$4,615,55 \$3,814,19 \$500,00 \$2,227,80 \$1,209,20
Presi Total Total	ert Value of Dollars by Year Present Value of Dollars Present Value of Dollars to be	KY VA PA OH IN IL MO TX OR	\$783,300 \$0 \$0 \$0 \$007,700 \$997,700 \$0 \$841,400 \$0 \$8,385,600 \$8,436,494,38 \$33,676,865,85	\$200,000 \$200,000 \$1,413,560 \$0 \$200,000 \$0 \$200,000 \$0 \$16,749,008 \$13,532,843,23	\$493,483 \$200,000 \$200,000 \$200,000 \$0 \$200,000 \$200,000 \$550,000 \$3,352,363	\$210,880 \$200,000 \$200,000 \$500,000 \$2,567,386 \$1,580,387 \$0 \$200,000 \$308,000 \$6,893,693	\$329,600 \$297,200 \$425,243 \$470,000 \$650,486 \$1,228,106 \$500,000 \$786,400 \$351,200 \$6,797,834 \$3,989,058,97	\$2,017,18 \$897,20 \$2,238,80 \$1,020,00 \$4,615,55 \$3,814,19 \$500,00 \$2,227,80 \$1,209,20
Presi Total Total Ruc	ort Value of Dollars by Year Present Value of Dollars Present Value of Dollars to be overed Through Usage Elements " Allocation to Dissoo (RATIO 2)	KY VA PA OH IN IL MO TX OR	\$783,300 \$0 \$0 \$0 \$997,700 \$987,700 \$641,400 \$0 \$9,385,600 \$8,438,494,38 \$33,676,865,85	\$200,000 \$200,000 \$1,413,560 \$0 \$200,000 \$0 \$0 \$200,000 \$0 \$16,749,006 \$13,532,843,23	\$493,483 \$200,000 \$200,000 \$200,000 \$0 \$200,000 \$200,000 \$550,000 \$3,352,363 \$2,434,730,97	\$210,880 \$200,000 \$200,000 \$500,000 \$2,567,386 \$1,580,387 \$0 \$200,000 \$308,000 \$6,893,693 \$5,283,738,10	\$329,600 \$297,200 \$425,243 \$470,000 \$650,486 \$1,228,106 \$500,000 \$786,400 \$351,200 \$6,797,634 \$3,989,058,97	\$2,017,18 \$897,20 \$2,238,80 \$1,020,00 \$4,615,55 \$3,814,19 \$500,00 \$2,227,80 \$1,209,20
Presi Total Total Ruc	nt Value of Dollars by Year Present Value of Dollars Present Value of Dollars to be overed Through Usage Elements "	KY VA PA OH IN IL MO TX OR	\$783,300 \$0 \$0 \$0 \$007,700 \$997,700 \$0 \$841,400 \$0 \$8,385,600 \$8,436,494,38 \$33,676,865,85	\$200,000 \$209,000 \$1,413,560 \$0 \$200,000 \$0 \$200,000 \$0 \$16,749,008 \$13,532,843,23	\$483,483 \$200,000 \$200,000 \$200,000 \$0 \$200,000 \$550,000 \$3,352,363 \$2,434,730,97	\$210,880 \$200,000 \$200,000 \$250,000 \$2,567,386 \$1,590,387 \$0 \$200,000 \$308,000 \$6,893,593 \$5,283,738,10	\$329,600 \$297,200 \$425,243 \$470,000 \$650,486 \$1,228,106 \$500,000 \$786,400 \$351,200 \$6,797,634 \$3,989,058,97	\$2,017,18: \$897,20: \$2,238,80: \$1,020,00: \$4,615,65: \$3,814,19: \$500,00: \$1,209,20: \$44,376,39
Presi Total Total Rac	ort Value of Dollars by Year Present Value of Dollars Present Value of Dollars to be overed Through Usage Elements " Allocation to Dissoo (RATIO 2)	KY VA PA OH IN IL MO TX OR	\$783,300 \$0 \$0 \$0 \$007,700 \$997,700 \$0 \$841,400 \$0 \$8,385,600 \$8,436,494,38 \$33,676,865,85	\$200,000 \$209,000 \$1,413,560 \$0 \$200,000 \$0 \$200,000 \$0 \$16,749,008 \$13,532,843,23	\$483,483 \$200,000 \$200,000 \$200,000 \$0 \$200,000 \$550,000 \$3,352,363 \$2,434,730,97	\$210,880 \$200,000 \$200,000 \$250,000 \$2,567,386 \$1,590,387 \$0 \$200,000 \$308,000 \$6,893,593 \$5,283,738,10	\$329,600 \$297,200 \$425,243 \$470,000 \$650,486 \$1,228,106 \$500,000 \$786,400 \$351,200 \$6,797,634 \$3,989,058,97	\$2,017,18: \$897,201 \$2,238,80: \$1,020,00: \$4,615,85: \$3,814,190: \$500,00: \$2,227,80: \$1,209,20: \$44,376,390
Presi Total Total Rec	ort Value of Dollars by Year Present Value of Dollars  Present Value of Dollars to be overed Through Usage Elements " Allocation to DB000 (RATIO 2) Undiscounted Value of Dollars to be	KY VA PA OH IN IL MO TX OR	\$783,300 \$0 \$0 \$0 \$007,700 \$997,700 \$0 \$841,400 \$0 \$8,385,600 \$8,436,494,38 \$33,676,865,85	\$200,000 \$209,000 \$1,413,560 \$0 \$200,000 \$0 \$200,000 \$0 \$16,749,008 \$13,532,843,23	\$483,483 \$200,000 \$200,000 \$200,000 \$0 \$200,000 \$550,000 \$3,352,363 \$2,434,730,97	\$210,880 \$200,000 \$200,000 \$250,000 \$2,567,386 \$1,590,387 \$0 \$200,000 \$308,000 \$6,893,593 \$5,283,738,10	\$329,600 \$297,200 \$425,243 \$470,000 \$650,486 \$1,228,106 \$300,000 \$786,400 \$351,200 \$8,797,834 \$3,989,058,97 Column C, Line 11 Column G, Line 11	\$2,017,18: \$897,20: \$2,238,80: \$1,020,00: \$4,615,65: \$3,814,19: \$500,00: \$1,209,20: \$44,376,39

<sup>\* 37 %</sup> of STP Cest is Recovered through CCS7A STP Port rate elements.

### Worksheet 3A

### GTE TELEPHONE OPERATIONS Reads and Promium 800 Data Read Quary

Basic and Premium 800 Data Base Query Calculation of SCP investment and Expenses

1	8 CP Equipment	1992	1993	1994	1996	1996	TOTAL
3	SCP CAPITALIZED HARDWARE:						
4	*	*	*	*	*	*	*
5	Total Undiscounted Dollars.	35.663.065	\$5,514,200	<u> </u>		<del></del>	\$10.997.264.62
7	Present Value of Dallars by Year	\$5,108,372.69	\$5,314,200 \$4,293,760,89	\$0.00	\$0.00	\$0.00	\$10,881,204.0Z
8	Total Present Value of Dollars with 72/28 config.	\$9,402,133.58	41,200,100,00	40.50	44.40	<b>V</b> 5.05	
9	AN						
10 11	Allocation to DB800 (RATIO 1) 61.0511%					=	\$6.713.948.59
12	Undiscounted Dollar Adjustment for 100% Vertical Svcs.	\$376,106.03	From Worksheet 4B, Line	33			
13	Total Undiscounted Dollers-100% Vert. Svcs. Curity.	\$6,059,171	\$5,314,200	\$0	\$0	\$0_	\$11,373,370.65
14 15	Present Value of Dollars by Year Total Present Value-100 % Vertical Svcs. Query Config.	\$5,446,445.53	\$4,293,760.89	\$0.00	\$0.00	\$0.00	
16	TOWN PROPERTY AND THE VERTICAL SYCS. CHESY CORNED.	\$9,740 <u>,206.42</u>	VERT/BASIC Allocation				
17	Allocation to D8800 (RATIO 1) 61.0511%	\$5,946,501,01	28.00%		Input to Worksheet #8,	Column C, Line 1A	
18	Manufer and Advanced No. 100 March		72.00%	\$4,281,480.73	Not used		
19 20	Undiscounted Value of Dollars						\$11,373,370.65
21	Allecation to DB800 (RATIO 1) 61,0511%				Input to Worksheet #8,	Column A, Line 1A	\$6,943,565,38
22	- ,				•		
23 24	Undiscounted Dollar Adjustment for 100% Basic	(\$130,748,88)	From Worksheet 4B, Line	37			
25	Total Undecounted Dollars-100% Beelc Courts.	\$5,552,315,74	\$5,314,200	\$0	\$0	\$0	\$10,868,515,74
26	Present Value of Dollars by Year	\$4,990,845.62	\$4,293,760.80	\$0.00	\$0.00	\$0.00	·
27 28	Total Present Value-100 % Basic Query Config.	\$9,284,608.51					
26 29	Allocation to DB800 (RATIO 1) 61.0511%	\$5,668,352.35	VERT/BASIC Allocation 28,00%	\$1,587,138.86	Not used		
30	remain a page per 100 1) 01.0011/4	- 17 17 17 13 1 1 1 1 1 1 1 1 1 1 1 1 1 1	72.00%		Input to Worksheet #8.	Column G. Line 1B	
31	Undiscounted Value of Dollars			<b>V 1,000 1,</b>			<b>\$10,866,515.74</b>
32	All-Maria An Process (PATIO) 43				L 4 C . 14/- d 4 MG	O-1 A 1 ! 40	en 00.1 40C 00
33 34	Allocation to DB600 (RATIO 1) 61.0511%				input to Worksheet #8,	COLUMN A, LINE 18	\$6,634,125.00
35							
36 37	SCP EXPENSED SOFTWARE/RTUFs-Common:						
36		*	*	*	*	*	
30				1	1	İ	
40				ļ			
41 42	<u>!</u>	L		L			
42 43	*	*	*	ų.	*	<b>Y</b> L.	
44	Total Undiscounted Dollars	\$9,362,420	\$4,076,620	\$4,076,620	\$4,076,620	\$4.076.620	\$25,668,900.00
45	Present Value of Dollars by Year	\$8,415,658.43	\$3,293,822.50	\$2,960,739.32	\$2,661,338.72	\$2,392,214.58	
46 47	Total Present Value of Dollars	\$19,723,773,54	155751011 "				
48	Allocation to DB800 (RATIO 1) 61.0511%	\$40 044 E78 90	VERT/BASIC Allocation	#2 274 A44 SA	hand to Madahas 40	Column C Linn C	
49	DESCRIPTION PROPERTY OF BLOCK STATES	\$12,041,574.36	28,00% 72,00%	\$3,371,641.36 \$8,669,934.96	input to Worksheet #8, input to Worksheet #8.		
_			. 2.00 %	401000100 4.80			

# Basic and Premium 800 Data Base Query Calculation of SCP Investment and Expenses

Worksheet 3B

1		-	1992	1903	1994	1995	1996	TOTAL
3	Undiscounted Value of Dollars							\$25,668,900.00
5 6	Allecation to DB400 (RATIO 1)	61.0511%				input to Worksheet #8	), Column A, Line 9	<u>\$15,871,140,14</u>
7 8	SCP EXPENSED SOFTWARE/RTUF+DBO	) only:	-1	_				
10	*		*	*	Ã	*	7	
11	*		*	A.	R.	*	~	
12	Total Undiscounted Dollars		\$10,215,840	\$217,240	\$217,240	\$217,240	\$217,240	\$11,064,800.00
13 14	Present Value of Dollars by Year Total Present Value of Dollars		\$9,162,777.53 \$9,765.378.44	\$175,525.31	\$157,775.56	\$141,820.73	\$127,479.31	
15		=		VERT/BASIC Allocation				
16	Allocation to DB800 (100%)	_	\$9,785,378.44	28.00%	\$2,739,905.98	Input to Worksheet #6	, Column C. Line 7	
17 18	Undiscounted Value of Dollars			72.00%	\$7,045,472.48	input to Worksheet #6	, Column G, Line 7	\$11,064,800.00
19 20	Allocation to DB800 (100%)					input to Worksheet #6	i, Column A. Line 7	\$11,084,800,00

GTE TELEPHONE OPERATIONS
Basic and Premium 800 Data Base Quary
Calculation of SCP Processing/Memory Costs

Worksheet 4A

Basic and Premium 800 Data Base Query Calculation of SCP Processing/Memory Costs Worksheet 4B



### Basic and Premium 800 Data Base Query Calculation of Link Expenses

	COMMON LINK EXPENSE;	1992	1903	1004	1995	1996	IOIAL
	A-Link Expense	\$2,989,520	\$2,680,520	\$2,660,520	\$2,680,520	\$2,660,520	\$13,302,600,00
	Total Undiscounted College	\$2,000,520	\$2,660,520	\$2,600,520		\$2,660,520	413,302,000.00
	Present Value of Dollars by Year	\$2,301,478.65	\$2,149,643,73	\$1,932,284,03		\$1,561,228.35	
	Total Present Value of Dollars	\$9,771,481,31	42,140,210.10	A110-0000	4.11.00000000	<b>41,001,220.00</b>	
•	· · · · · · · · · · · · · · · · · · ·	THE PART OF THE PA					
	1						
1	C-Link Expense	\$25,524	\$25,524	\$25,524	\$25,524	\$25,524	\$127,620.00
10		\$25,524	\$25,524	\$25,524	\$25,524	\$25,524	
1		\$22,942.92	\$20,622.85	\$18,537.39	\$16,662.63	\$14,977.82	
12		\$93,743.81	•				
1:							
14					****		
15		\$201,300	\$201,300	\$201,300		\$201,300	\$1,006,500.00
17		\$201,300	\$201,300	\$201,300		\$201,300	
18		\$160,943.62 \$739,326.65	<b>\$162,64</b> 6.13	\$146,198.77	\$131,414.62	\$118,125.50	
19		\$730,340.00					
20							
21		\$10,604,553.97					
22	100	V.0,001,000.01	VERT/BASIC Allocation				
23	Affocution to DB600 (RATIO 2) 10,5828%	\$1,122,258,13	28,00%	\$314,232,28	input to Worksheet #8.	Column C. Line 12	
24	• •		72.00%	2008 025 88			
25 26	Sum Undiscounted Total Value of Dollars (Lines 3 + 9 + 15	)}	,	<b>4</b>			\$14,436,720.00
27	Allocation to DB000 (RATIO 2) 10.5828%				Input to Worksheet #8,	Column A, Line 12	\$1,527,809,38
28 29							
31	DEDICATED SASS TO SCP LINK EXPENSE:						
32		\$86.710	\$86,710	\$86,710	\$86,710	\$86,710	\$433,548.00
33		\$86,710	\$86,710	\$86,710		\$86,710	7,30,040.00
34		\$77.941.21	\$70,059.52	\$62,974.85		\$50,882,34	
35		\$318,464.52	<b>410,008.32</b>	442,014.03	\$00,000.00	430,002.31	
36		20,000,02	VERT/BASIC Allocation				
37	Allocation to DBSQQ ((QQ %)	\$318,484.52	28,00%	\$89,170,07	input to Worksheet #6.	Cohema C. Line 9	
36			72.00%	\$229,294.48			
39			( E.A.O. )0	457.40	OFFICE STATES AND AND AND		\$433,548.00
40							· 10-10-10-10-
41	Allocation to DB400 (100 %)				Input to Worksheet #8,	Column A, Line 8 🔔	1433,548,00

### Basic and Premium 800 Data Base Query

Calculation of SSP, SEAS, and SMS investment and Expenses

1 TANDEMEND OFFICE: TOTAL 1992 1993 1994 1995 1996 3 800 SSP CAPITALIZED COSTS \* 30 \$0 \$0 \$0 \$0 4 5 **600 SSP EXPENSED RTU FEES-TANDEM** \$7,700,000 \$0 \$0 \$0 800 SSP EXPENSED RTU FEES-END OFFICE \$10,230,000.00 \$0 \$0 **\$0 Total Undiscounted Dollars** \$17,930,000 \$17,930,000.00 Present Value of Dollars by Year \$16,116,653.03 \$0.00 \$0.00 \$0.00 \$0.00 **Total Present Value of Dollars** \$16,116,653.93 10 **VERT/BASIC Allocation** 11 Allocation to DESECC (100 %) \$16,116,853.93 \$4,512,719.10 Input to Worksheet #6, Column C, Line 5 28.00% 12 72.00% \$11,804,134,83 Input to Worksheet #8, Column G, Line 5 13 Undiscounted Value of Dollars \$17,930,000.00 14 15 Allocation to DB800 (100 %) Input to Worksheet #8, Column A, Line 5 \$17.930,000.00 16 17 Switching costs cannot be distinguished from upgrades for CLASS, POTS, etc., and are not incremental to the provision of Detabase 800 Services. 18 19 SEAS COST: 20 21 **SEAS Enhancements:** 22 **Total SEAS Required Enhancements** \$412,700 \$412,700 \$412,700 \$412,700 \$412,700 **Total SEAS Optional Enhancements** 23 \$61,000 \$61,000 \$61,000 \$61,900 \$61,000 24 **Total Undiscounted Dollars** \$473,700 \$473,700 \$2,368,500.00 \$473,700 \$473,700 \$473,700 25 Present Value of Dollars by Year \$425,797.75 \$362,739.55 \$344,035.55 \$309,245,44 \$277,973.43 26 **Total Present Value of Dollars** \$1,739,791.73 27 28 29 **SEAS Operational Costs:** \$3,939,059 \$3,939,059 \$3,939,059 \$3,939,059 \$3,939,059 30 **Total Undecounted Dollars** \$3,938,059 \$3,939,059 \$3,939,059 \$3,930,059 \$3,939,059 \$19,695,295.00 31 Present Value of Dollars by Year \$3,540,727.19 \$3, 162, 676, 13 \$2,860,832.47 \$2,571,534.81 \$2,311,491.98 32 **Total Present Value of Dollars** \$14,467,262.56 33 34 Total Present Value of SEAS Cost (Umes 27 + 34) \$16,207,054.29 35 **VERT/BASIC Allocation** 38 10.5828% Allecation to DB800 (RATIO 2) 28.00% \$480,244.58 Input to Worksheet #8, Column C. Line 10 \$1,715,159.22 37 72.00% 31,234,914.94 Impet to Worksheet #8, Column G, Line 10 38 Undiscounted Value of Dollars (Lines 25 + 31) \$22,063,795.00 39 40 Allecation to DB800 (RATIO 2) 10.5826% Input to Worksheet #8, Column A, Line 10 \$2,334,968,04 41 42 SMS COST: 43 44 Capitalized Billing Cost for Disk Drives & Memory \$550,000.00 \$0.00 \$0.00 \$0.00 \$0.00 \$550,000,00 45 Procent Value of Dollars by Year \$494,362,02 \$0.00 \$0.00 \$0.00 \$0.00 46 **Total Present Value of Dollars** \$494,382.02 47 **VERT/BASIC Allocation** 48 Altecation to DB800 (100 %) \$494,382,02 28,00% \$138,428.97 Input to Worksheet #8, Column C, Line 2 72.00% \$355,955.08 Input to Worksheet #8, Column G. Line 2

Worksheet 6A

### Basic and Premium 800 Data Base Query Calculation of 88P, SEAS, and SMS Investment and Expenses

Worksheet 6B

1		1992	1993	1994	1995	1996	TOTAL
2							
3	Undiscounted Value of Dollars						\$550,000.00
4							
5	Allocation to DB600 (106 %)				Input to Worksheet #8	Column A. Line 2	<b>\$550,000,00</b>
6						,,	
7							
8	SMS Annual Expense (From Worksheet 7, Line 26)	\$1,369,770	\$1,426,809	\$1,500,240	\$1,575,262	\$1,854,025	
9	<b>Fotal Undecounted Dollars</b>	\$1,369,770	\$1,426,800	\$1,500,240	\$1,575,262	\$1,654,025	\$7,519,114.78
10	Present Value of Dollars by Year	\$1,223,164.30	\$1,154,447.20	\$1,009,500.62	\$1,028,377.86	\$970,603.64	
11	Total Present Value of Dollars	\$5,466,183,41	41,101,111.22	<b>4</b> 440001000	4,1020,000	444-,244	
12			VERT/BASIC Allocation				
13	Altocation to DB000 (100 %)	es 400 400 44	28.00%	\$1,530,531,36	Input to Workshoot #6	Cohema C Lina 6	
	vencetou e reseau (100 %)	\$5,488,183,41	72.00%	\$3,935,952.05			
14 15	Undiscounted Value of Dollars		72.00%	\$3,930,932.00	MANY IN AMERICAN NO.	COMMENT G, LINE C	\$7,519,114,78
16	Charles Anna Of Policies						\$1,515,114.75
17	Allocation to DB800 (100 %)				Imped to Marketpart 410	Caluma A Lina C	67 640 44 <i>4</i> 78
17	Minorities in Fibern (100 P)				input to Worksheet #8.	COLUMN A LINE D	

Basic and Premium 600 Data Base Query Calculation of SMS Annual Expenses

GTE TELEPHONE OPERATIONS
Basic and Parithm 800 Data Base Query
Calculation of Query investment and Expenses

		3	9	<u> </u>	5	<b>(</b> E)	E	6	(Fd)	€
		TOTAL DATA BASE 600 UMDISCOURTED COST	TOTAL DATABASE BOD UNDOCOUNT, COST ALDCATED TO WENTCAL, CLASTICS [4]* 28	TOTAL DATABASE 600 BRECOUNT: COST ALLOCATED TO VENTICAL CLEWES	TOTAL MODBATA BASE DISCOUNTED WENTICAL QUENTED	VERTICAL BERNICES COST PER GUERY (C) /(D)	TOTAL DATA BASE OR UNCHOOUNT, COST ALLOCATED TO BARIC CIVENED \$40 - 72	TOTAL DATA BASE BOD DESCRIBAT. COST ALLOCATED TO BASIC GUENES	TOTAL DATA BASE pro DISCOUPTED BASIC DUCINES	EMSIC CONTPER QUERY (G)/(M)
₹	SCPCAPITALIZED COST - SIZED 160% VERTICAL	98,043,088 Westerhoot SA, Line 21	\$1,044,18	Standard St. Workshop 171	2049,980,789.ZZ Martachaet 1, Lina 30	91-8000006				
ĕ	SCP CANTINLEED COST - SEED NO 16 BASIC	\$0,634,123 Workshaet3A, Lite 33					\$4,776,670	90,000 214 Westerness 20, Line 30	6.2551,842,006.29 Werkehaut 1, Lino 40	777000.02
~	SMS Bit 1946	\$590,000 Worksheet 68, Live 5	\$154,608	\$150,420,07 2,040,140,790,22 Wartschool UA, Lies 48 Wartschool 1, Lies 30	2049,140,780,22 Northbeat 1, Line 30	\$0.000 ag	\$396,006	\$386,965.08 Workshoot 64, Line 48 1	6.255,042,008.29 Workshoot 1, Line 40	\$0.00008
•	STP CAPITALZED COST	89,714,484 Wodzbed Z, Lite 28	\$1,800,888	\$1,256,301,35 Workshowt 2, Line 22	2,048,460,726.22 Worldbeet 1, Lbn 20	PO COROLLA	\$4,114,428	\$3,227,917.70 Worksheet 2, Like 23	£,263,842,008,20 Wedneses 1, Line 40	*1400003
\$	TOTAL CAPITALIZED VERTICAL QUERTY COST (SUM OF LINES 1A $+2+3$ )	OF LINES (A + 2 + 3)				30,001400	Inpet to Workshoot 40, Line	(Line 5		
Ţ	TOTAL CAPITALIZED INNIC OCCIPY GOOST (INUM OF LINES 19 + 2 + 3)	JMES 18 + 2 - 3)								\$0.404.08.08
uri	TANDBAICHD OFFICE SEP RTU FEES	\$17,930,000 Wortsheef 8A, Line 15	\$5,029,400,00	\$4.842.719.96 Wartanback 6A, Line 111	\$4.512.710.50 2.043,160,780.22 and 6A. Line 11 Worlshood 1, Live 30	902200 O.S.	\$ 12.609,609	\$11,804,194,83 Worksheet 04, Line 12, 1	3,253,642,000 29 Worlinkeet 1, Line 40	\$0.002209
œ.	DALS EXPENSE	\$7,619.116 Wortsdeed GEL Libe 17	\$2,906,862 H	\$1,630,631,28 Werlanderd 60, Line 13 \	2,042,166,780,22 Workshoot 1, Line 30	\$0,000740	\$5,419,789	\$1,896,862.04 Workshoot Bill, Line 54	\$255,542,006.29 Workshood 1, Line 40	\$0.000749
ĸ.	BCP BEO DATA BASE BOFTWAREARTU FRES	\$11,044,900 Wortsheet 30, Line 20	\$3,405,744.00	\$2,738,985.98 Warfesbeed 35, Line 15 V	\$2,726,996,59 2,043,160,760,22 and \$5, Line 16 Worlschoot 1, Line 39	\$0.000 M	ACQ.188.7\$	\$7,045,472.46 Worksheet 38, Line 17	6,253,642,006.29 Worksheet 1, Line 40	\$0 0013M1
•	BARS TO SCP LINES	\$135,546 Worksheet 5, Lies 41	\$121,382.H	\$86,170.07 Wortscheef 5, Liee 57	2,942,140,780,72 Watehoet 1, Line 30	\$0 000 <del>001</del>	\$312,455	\$220,286.40 Wortsheed 5, Line 36	6,253,842,008.29 Wutshoot 1, Line 40	\$0.000044
æ	BCP COMMON EXPENSED SOFTWANISHTU FEES	\$15,671,940 Westshoot 38, Line 5	\$4,367,919.24	\$3,371,841.38 Worksheet 3A, Line 48 V	\$3,371,841.38 2,043,140,780.22 and 3A, Line 48 Workshipsel 1, Line 30	\$0.001450	\$11,285,221	FR. 600, Elso 60 Worlschael SA, Liso 60	6,253,842,006.29 (Yerlubust 1, Lise 40	\$0.00MBG
Ď.	#EA& EXPENSE	12,334,986 Warteheat BA, Line 40	\$452,790.48	PR0.244.54 Wetshed 6A, (So 38 V	P480,244.54 2.043,486,780.22 of 0A, Line 38 Workshoof 1, Line 38	962000 OS	\$1,661,176	\$1.29.914 64 Worksheet 60, Line 97	8,253,842,008.20 Workshood 1, Line 40	\$0.000235
F	STP SOFTWAREARTU FEES	\$2,050,779 Workshoot 2, Libre \$3	\$428.454.11	\$628.681.36 Workshoot 2, Line 40 V	2.043, 150, 780, 22 Mortened 1, Line 39	accoup'est	12,130,221	\$1,516,508 Workshoot 2, Line 50	SZKSJANZ (UR) 29 Workshood 1, Line 40	SOCIETY OF
ŭ	LIKE EUTONE.	\$1,A27,508 Watsheet 5, Line 27	\$427.778.33	ps:4,222.26 2,444,484,786,22 Wartahout S, Llao Z3 Wartahout I, Lino 39	2,413,198,700.22 Katabout 1, Line 30	H1000'08	\$1,100,022	Mertaleed 5, Line 24	8,255,842,008.25 Workshood 1, Line 40	<b>30</b> ,000154
¥	TOTAL EXPENSED VERTICAL QUERY SERVICES COST (SUALOF LAKES S TH	T (SUM OF LIMES S THRO	ROUGH 12)			<b>200000</b>	Appel to Werlachaet #0, Line 35	(Line 33		
ĄĘ	TOTAL EXPENSION BASIC CLIENY COST (SUALOF LINES & THROUGH 12)	ES & THROUGH 12)								SO STREET

- CORRECTION OF REPORTING ERROR ON ATTACHMENT 1. EXPANDED BASICAERTICAL DETAIL \$1,586.833 REPLACED BY \$1,427,500. THE COST PER OLIERY IS UNCHANCED.

Basic and Premium 800 Data Base Query Calculation of Cost and Price for Premium Query

1		Revenue Life Years	7						
2.		Capital Structure:	% Debt Capital		42,1000%	% Equity Capit	41	57 9000%	
3		•	Debt Interest Rate		9 1067%	Return On Equ		12.8086%	
4		Cost of Maney	11 2500%			,	-,	12.000 %	
<b>5</b> .	A	CAPITALIZED COST (Worksheet 8: Column E, Line 4A)	\$0.001497						
6.		Not Salvage	5.22%						
7		Depreciable Factor	94.78%						
₽.		Streight Line Depreciation	\$0.000203						
g	•	Federal Income Tax Rate	34.00%						
10		State Income Tax Rate	6.42%						
11.		Composite Income Tax Rate	37.58%						
12.		Tax Phi Factor	0.3969						
13.		Maintenance Fector	9.09%						
14.		Administration Factor	11.63%						
15.		Other Tax Factor	0.93%						
16.		Gross Receipts Tax Rate-SCP/STP State Avg.	0.63%						
17.		Gross Receipts Tax Rule-National Average	1.30%						
18,		Labor Inflation Rate	3.30%						
		_	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 6	YEAR 6	YEAR 7
19,		Net Book	\$8.001497	F0.001294	\$0.001092	\$0,000849		\$0.600484	\$0.000281
20.		Straight Line Depreciation	\$8.000203	\$0.000203	\$0.000203	\$0.000293	\$0.000203	\$0.000203	\$0.000203
21		Net Salvage Value							\$0 000078
22.		Rotum	\$0.000166	\$0 000146	\$0,000123	\$0.000180	\$0.000077	\$0.000054	\$0.000032
23.		Income Tax	\$6.000067	\$0.000058	\$0.000049	\$0.000040	\$0.000031	\$0.000022	\$0 000013
24		Maintenance Expense	\$8 000136	\$0.00 <b>014</b> 1	\$0.000145	\$0.000150	\$0,000155	\$0.000160	\$0,000165
25		Administration Expense	\$8.000174						
26.				FQ 000174	\$0.000174	\$0.000174	\$0.000174	\$0.000174	\$0.000174
		Other Tax Expense	\$0.000014	\$0,000014	\$0.000014	\$0.000174 \$0.000014	\$0,000014	\$0.000174 \$0.000014	\$0.000014
27.		Total Before GRT (L20 + Sum of L22 L26)						·	\$0,000014 \$0,000600
27. 28.			\$0.000014	\$0,000014	\$0.000014	\$0.000014	\$0,000014	\$0.000014	\$0.000014
		Total Before GRT (L20 + Sum of L22 L26)	\$0.000014 \$0.000762	\$0,000014 \$0,000735	\$0.000014 \$0.000766	\$0.000014 \$0.000681	\$0,000014 \$0,000654	\$0.000014 \$0.000627	\$0,000014 \$0,000600
28		Total Before GRT (L20 + Sum of L22 L26) Gross Receipts Tax	\$0.000014 \$0.000762 \$0.000008	\$0,000014 \$0,000735 \$0,00008	\$0.000014 \$0.000766 \$0.000068	\$0.000014 \$0.000681 \$0.00006	\$0,000014 \$0,000854 \$0,000906	\$0.000014 \$0.000627 \$0.000006	\$0,000014 \$0,000600 \$0,000005
28. 29.		Total Before GRT (L20 + Sum of L22 L26) Gross Receipts Tax Yotal Cepital Cost	\$6,000014 \$6,000762 \$6,000006 \$8,000769	\$0,000014 \$0,000735 \$0,000008 \$0,000741	\$0.000014 \$0.000768 \$0.000066 \$0.000714	\$0.000014 \$0.000681 \$0.00006 \$0.000686	\$0,000014 \$0,000854 \$0,000906 \$0,000859	\$0.000014 \$0.000627 \$0.000005 \$0.000632	\$0,000014 \$0,000600 \$0,000005 \$0,000605
25. 29. 30.		Total Before GRT (L20 + Sum of L22 L26) Gross Receipts Tax Total Ceptal Cost Present Value Factors	\$6,000014 \$6,000762 \$6,000769 \$6,000769 O 8989	\$0,000014 \$0,000735 \$0,000006 \$0,000741 0,8080	\$0,000014 \$0,000768 \$0,000068 \$0,000714 0,7263	\$0,000014 \$0,000681 \$0,000066 \$0,000686 0,6626	\$0,900014 \$0,900854 \$0,900906 \$0,000859 0,5868	\$0.000014 \$0.000627 \$0.000606 \$0.000632 0.5275	\$0.000014 \$0.000600 \$0.000005 \$0.000605 0.4741
28. 29. 30. 31.	R	Total Before GRT (L20 + Sum of L22 L26) Gross Receipts Tax Total Ceptal Cost Present Value Factors Discounted Capital Cost  CAPITAL COST PER QUERY	\$0.00014 \$0.000762 \$0.00008 \$0.000769 0.6989 \$0.000691	\$0,000014 \$0,000735 \$0,000006 \$0,000741 0,8080	\$0,000014 \$0,000768 \$0,000068 \$0,000714 0,7263	\$0,000014 \$0,000681 \$0,000066 \$0,000686 0,6626	\$0,900014 \$0,900854 \$0,900906 \$0,000859 0,5868	\$0.000014 \$0.000627 \$0.000606 \$0.000632 0.5275	\$0.000014 \$0.000600 \$0.000005 \$0.000605 0.4741
28. 29. 30. 31. 32.	В	Total Before GRT (L20 + Sum of L22 L26) Gross Receipts Tax Total Ceptal Cost Present Value Factors Discounted Capital Cost  CAPITAL COST PER QUERY  EXPENSED COST (Worksheet & Column E. Line 13A)	\$0.00014 \$0.000762 \$0.000008 \$0.000769 0.8989 \$0.000691 \$0.005263 \$0.006689	\$0,000014 \$0,000735 \$0,000006 \$0,000741 0,8080	\$0,000014 \$0,000768 \$0,000068 \$0,000714 0,7263	\$0,000014 \$0,000681 \$0,000066 \$0,000686 0,6626	\$0,900014 \$0,900854 \$0,900906 \$0,000859 0,5868	\$0.000014 \$0.000627 \$0.000606 \$0.000632 0.5275	\$0.000014 \$0.000600 \$0.000005 \$0.000605 0.4741
28. 29. 30. 31. 32. 33. 34	В	Total Before GRT (L20 + Sum of L22 L26) Gross Receipts Tax Total Ceptal Cost Present Value Factors Discounted Capital Cost  CAPITAL COST PER QUERY	\$0.00014 \$0.000762 \$0.00008 \$0.000769 0.6989 \$0.000691	\$0,000014 \$0,000735 \$0,000006 \$0,000741 0,8080	\$0,000014 \$0,000768 \$0,000068 \$0,000714 0,7263	\$0,000014 \$0,000681 \$0,000066 \$0,000686 0,6626	\$0,900014 \$0,900854 \$0,900906 \$0,000859 0,5868	\$0.000014 \$0.000627 \$0.000606 \$0.000632 0.5275	\$0.000014 \$0.000600 \$0.000005 \$0.000605 0.4741
28. 29. 30. 31. 32.	В	Total Before GRT (L20 + Sum of L22 L26) Gross Receipts Tax Total Ceptal Cost Present Value Factors Discounted Capital Cost  CAPITAL COST PER QUERY  EXPENSED COST (Worksheet & Column E. Line 13A)	\$0.00014 \$0.000762 \$0.000008 \$0.000769 0.8989 \$0.000691 \$0.005263 \$0.006689	\$0,000014 \$0,000735 \$0,000006 \$0,000741 0,8080	\$0,000014 \$0,000768 \$0,000068 \$0,000714 0,7263	\$0,000014 \$0,000681 \$0,000066 \$0,000686 0,6626	\$0,900014 \$0,900854 \$0,900906 \$0,000859 0,5868	\$0.000014 \$0.000627 \$0.000606 \$0.000632 0.5275	\$0.000014 \$0.000600 \$0.000005 \$0.000605 0.4741

# Basic and Premium 800 Data Base Query Calculation of Exogenous Basic Query Adjustment

		(A)	(B)	(C)	(D)	(E)
		TOTAL DATA BASE 800 UNDISCOUNTED INVESTMENT	TOTAL DATA BASE 800 UNDISCOUNT. COST ALLOCATED TO BASIC QUERIES (A)*.72	TOTAL DATA BASE 800 UNDISCOUNTED BASIC QUERIES Worteheet 1, Total Column, Line 37	INVESTMENT PER UNIT (B)/(C)	EXOGENOUS INVESTMENT PER UNIT
1.	SCP CAPITALIZED COST - SIZED 72 % BASIC 28 % VERTICAL	\$6,713,949 Worksheet 3A, Line 10		5,844,899,232.00	\$0.000827	\$0.000827
<b>2</b> .	SMS BILLING	\$550,000 Worksheet 6B, Line 5	\$396,000	5,844,899,232.00	\$0.000068	\$0.000068
3.	STP CAPITALIZED COST	\$5,714,484 Worksheet 2, Line 26	\$4,114,429	5,844,899,232.00	\$0.000704	Not Exogenous
4.	TANDEMEND OFFICE SSP RTU FEES	\$17,930,000 Worksheet 6A, Line 15	\$12, <b>909,60</b> 0	5,844,899,232.00	\$0.002209	\$0.002209
<b>5</b> .	SMS EXPENSE	\$7,519,115 Worksheet 6B, Line 17	\$5,413,763	5,844,899,232.00	\$0.000926	\$0.000926
<b>6</b> .	SCP 800 DATA BASE SOFTWARE/RTU FEES	\$11,084,800 Worksheet 3B, Line 20	• • • • • • • •	5,844,899,232.00	\$0.001365	\$0.001365
7.	SMS TO SCP LINKS	\$433,548 Worksheet 5, Line 41	\$312,155	5,844,899,232.00	\$0.000053	\$0.000053
8.	SCP COMMON EXPENSED SOFTWARE/RTU FEES	\$15,671,140 Worksheet 3B, Line 5	\$11,283,221	5,844,899,232.00	\$0.001930	\$0.001930
9.	SEAS EXPENSE	\$2,334,966 Worksheet 6A, Line 40	\$1,681,176	5,844,899,232.00	\$0,000288	Not Exogenous
10.	STP SOFTWARE/RTU FEES	\$2,958,779 Worksheet 2, Line 53	\$2,130,321	5,844,899,232.00	\$0.000364	Not Exogenous
11.	LINK EXPENSE	\$1,527,808 Worksheet 5, Line 27	\$1,100,022	5,844,899,232.00	\$0.000188_	Not Exogenous
12.	TOTAL EXOGENOUS INVESTMENT PER UNIT (SUIN OF	LINES 1 THROUGH 1	1)		<u> </u>	\$0.007379